

TEST REPORT

Product Name : LED Bulb T2

Model Number : LB-L02E, LB-L02D

Prepared for : Lumi United Technology Co., Ltd
Address : Room 801-804, Building 1, Chongwen Park, Nanshan
iPark, No. 3370, Liuxian Avenue, Fuguang Community,
Taoyuan Residential District, Nanshan District, Shenzhen,
China

Prepared by : EMTEK (DONGGUAN) CO, LTD.
Address : Room 111&112, Building 8, -1&2/F., Office Building 2, Zone
A, Zhongda Marine Biotechnology Research and
Development Base, No.9, Xincheng Avenue, Songshan
Lake High-Tech Industrial Development Zone, Dongguan,
Guangdong, China

TEL: +86-0769-22807078

FAX: +86-0769-22807079

Report Number : EDG2408010102E02403R
Date(s) of Tests : August 01, 2024 to November 23, 2024
Date of issue : November 23, 2024



TABLE OF CONTENT

Description	Page
1. GENERAL INFORMATION	5
1.1 Description of Device (EUT)	5
1.2 Test Facility	6
2. GENERAL PRODUCT INFORMATION	6
2.1 Product Function and Intended Use	7
2.2 Ratings and System Details	7
3. TEST RESULTS	8
3.1 Compliance criteria	8



TEST REPORT DESCRIPTION

Applicant : Lumi United Technology Co., Ltd
Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

Manufacturer : Lumi United Technology Co., Ltd
Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

Trade Mark : Aqara

EUT : LED Bulb T2

Model Number : LB-L02E, LB-L02D

Power Supply : AC 100-240V, 50/60Hz

Test Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
EN 62479: 2010, EN50663:2017	PASS
AS/NZS 2772.2:2016 Amd 1:2018	PASS

EN 62479: 2010, EN 50663:2017, Assessment of the compliance of the low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz). The device described above is tested by EMTEK (DONGGUAN) CO, LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the EN 62479: 2010 requirements.

The test results are contained in this report and EMTEK (DONGGUAN) CO, LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (DONGGUAN) CO, LTD.

Date of Test : August 01, 2024 to November 23, 2024

Prepared by : Warren Deng

Warren Deng /Editor

Reviewer : Galen Xiao

Galen Xiao /Supervisor

Approve & Authorized Signer :

Sam Lv /Manager

Modified Information

Version	Report No.	Revision Date	Summary
	EDG2408010102E02403R	/	Original Report

1. GENERAL INFORMATION

1.1 DESCRIPTION OF DEVICE (EUT)

EUT	: LED Bulb T2
Model Number	: LB-L02E, LB-L02D
Power supply	: AC 100-240V, 50/60Hz
Applicant	: Lumi United Technology Co., Ltd
Address	: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Manufacturer	: Lumi United Technology Co., Ltd
Address	: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Date of Test	: August 01, 2024 to November 23, 2024

Note: for more details, please refer to the User's manual of the EUT.

1.2 TEST FACILITY

Site Description

EMC Lab.

: **Accredited by CNAS**

The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01:2018

The Certificate Registration Number is L3150

Accredited by FCC

Designation Number: CN1300

Test Firm Registration Number: 945551

Accredited by A2LA

The Certificate Registration Number is 4321.02

Accredited by Industry Canada

The Certificate Registration Number is CN0113

Name of Firm

: EMTEK (DONGGUAN) CO., LTD.

Site Location

: Room 111&112, Building 8, -1&2/F., Office Building 2, Zone A, Zhongda
Marine Biotechnology Research and Development Base, No.9, Xincheng
Avenue, Songshan Lake High-Tech Industrial Development Zone,
Dongguan, Guangdong, China

2. GENERAL PRODUCT INFORMATION

2.1 Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

2.2 Ratings and System Details

	Transceiver
Frequency Range:	2400-2483.5MHz
Modulation:	GFSK for BLE O-QPSK for Zigbee & thread
Number of Channels:	40 channels for BLE 16 channels for Zigbee & thread
Antenna:	PCB antenna
Antenna Gain:	1.0 dBi
Transmit Power(MAX):	9.61 dBm for BLE 8.11 dBm for Zigbee & thread

3. TEST RESULTS

3.1 Compliance criteria

MAX power: 9.14 mW,

Result:	Pass
---------	------

From results of report EDG2406270030E01101R can be assumed that the compliance criteria is Fulfilled (max radiated power is less than 20mW, MAX power : 9.14 mW). The assumption is made with an uncertainty of 3%.

*EN 62479:2010 4.1(D) & 4.2

Measurements or calculations show that available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2 (P max: 20mW)

*** End of Report ***

声明 Statement

1. 本报告无授权批准人签字及“检验报告专用章”无效；

This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制；

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议，请于收到报告之日起 20 日内提出；

Objections shall be raised within 20 days from the date receiving the report.